ABSTRACT

In a conductive coil contact member having at least one tapered end consisting of a plurality of turns of coil wire having a progressively smaller coil radius toward a free end thereof, the coil wire comprises a core wire and at least one highly electrically conductive layer formed over the core wire, a last turn of the coil wire at the free end having a smaller coil radius than would be possible by coiling the coil wire. Thus, the core wire is coiled to a smallest possible radius in the last turn, and the coil wire diameter is thereafter increased by forming layers formed by plating or other similar methods. The final result is that the last turn of the coil wire at the free end has a smaller coil radius than would be possible by coiling the coil wire. The reduction in the coil radius of the last turn contributes to the improvement in the positional accuracy of the free end of the tapered end of the conductive coil contact member.